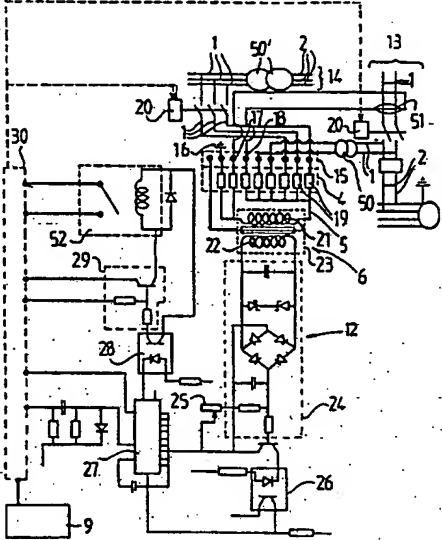


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(57) Abstract <p>The device disclosed is useful for protecting electrical consumer lines (1) connected to electrical power supply lines (2) and comprises at least one resistor bridge (4) connecting the electrical consumer lines (1) and creating a predetermined potential, which remains fixed during normal operation of the installation, at one of its points (5), and an isolation means (6) amplifying the difference in potential between this point (5) and ground (3). A threshold circuit (7) is connected to the output of the isolation and amplification means (6) and controls a means (8) for connecting and disconnecting the electrical power supply lines (2) to and from the lines to be protected (1) in such a way that an abnormal voltage variation on one of the electrical lines (1) causes a change in the potential at point (5), said change being detected by a threshold circuit (7). A processor (9) connected to the threshold circuit (7) provides digital processing of the electrical data concerning the lines (1) and storage of these data in a memory (10), as well as automatic reconnection of the electrical consumer lines (1) with the power supply lines (2).</p>		